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
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 UnivOfMaryland	2/27/2006 8:32:00 AM
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 eXpert-BSM	4/24/2002 12:00:00 AM
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Personal Security Assistance for Secure Internet Commerce

(position paper)

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16 September, 1996

Available as [dvi](#), [ps](#), [html](#), at <http://www.sics.se/~ara/papers/NSP96.html>.

Abstract:

In this paper we discuss the approach of using a personal security assistant for interacting with mobile agents visiting your computer.

Current agent security approaches are often based on trust in an external authority who guarantees that the agent is correct/benign or that your local resources have all been assigned correct access-restrictions. We argue that a more rewarding security policy is to grant the visiting agent access to resources on the assumption that it will do useful work for you and behave as expected.

Not disqualifying agents from doing useful work for you on the grounds that you have no previous experience from them facilitates the introduction of new agents into the market since trusting the sender is less crucial.

The paper contains a discussion on the security approach taken in most of todays agent systems and how security is enforced by Intrusion Detection Systems. We give a rationale for using an interactive Personal Security Assistant as an aid for detecting malicious agents visiting end-user agent environments and sketch the architecture and design criteria of such an assistant. We discuss how malicious programs could be identified and mention some preliminary experiments with Java-applets.

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Andreas Rasmusson
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System< Gopher Sites 1. <dt><a href="gopher://gopher-server.nist.gov/1 ...

comp.security.unix - Nov 17 1994, 10:57 pm by Vin McLellan - 2 messages - 2 authorsProtocols /Security Web Sites... to security, including passwd+ coast.cs.purdue.edu/pub/doc/intrusion_detectionCOAST AI and statistical tools to detect intrusion [ftp.csl.sri.com/pub/nides](ftp://ftp.csl.sri.com/pub/nides) ...comp.security.misc - Jul 14 1995, 12:29 am by Thomas Gutekunst - 7 messages - 7 authorsLotos and CSCW: ask for information

... International Conference on Multimedia Computing and Systems, Washington, DC, May

1995) <http://www.csl.sri.com/icmcs95.html> or <ftp://ftp.csl.sri.com/pub/reports> ...comp.specification - Mar 22 1995, 12:40 am by John Rushby - 2 messages - 2 authorsFormal spec's and errors discovery

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BTYACC — yacc with backtracking and inherited attributes.
... The program is public domain and is available for ftp at ftp://[ftp.csl.sri.com/pub/dodd/btyacc.tar.gz](ftp://ftp.csl.sri.com/pub/dodd/btyacc.tar.gz) Chris Dodd d...@csl.sri.com ...
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